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MARCH - 1963

PUBLISHED BY
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PLENTY OF FREE PARKING

The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., EST.

AMA-CHEWER STAFF

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Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the first Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

PROGRAM PREVIEW

To assist our Club members in planning their social activities during the months of April, May and June, the "Ama-Chewer" provides the following list of Club activities:

- APRIL 26th Radio and Radar Uses by Aircraft and Air-ports.
- APRIL 27th IRC tour of the radio and radar installations at Weir Cook Airport.
- MAY 10th HOME BREW NIGHT
- MAY 24th SWAP AND SHOP AUCTION NIGHT
- JUNE 14th OLD TIMERS NIGHT
- JUNE 22nd FIELD DAY
- JUNE 28th Dick Judkins. Topic to be announced.

Here is a preliminary list of 1963 Summer Indiana Ham Fest Activities:

- JULY 14th IRCC-Lafayette, Indiana
- JULY 28th Turkey Run VH.F. Picnic
- AUGUST 11th Big Bull Ham Fest, Kokomo, Indiana
- AUGUST 25th Evansville Ham Fest
- OCTOBER 13th Spring Mill Ham Fest

This list is incomplete and a more complete list will appear in the "Ama-Chewer" as data becomes available.

PROGRAM REVIEW

The program for the 4th meeting in February, was presented by Walt Smith, WA9BHV, Mr. Smith is employed as a communications engineer for the Big Four Railroad Yards at Avon, Ind. His topic for this evening was "Microwave, Communications Unlimited."

Mr. Smith's thesis was preceded by a very informative film supplied by the Motorola Company. The film presented a brief history of man's attempts to communicate with his contemporaries. It also explained the advantages of a micro-wave system, told us what the essential parts of a system are, how these parts are used, and what we might expect to see in the near future.

For the next few minutes, the attention of the audience was focused on our speaker as he discussed some of the problems that he and other engineers had to deal with while installing the micro-wave system at the Big Four Yards. We saw some of the actual equipment which is in use in this system today and discussed with Mr. Smith the problems of gains and losses inherent in a system of this nature.

Those of you who were unable to attend this meeting, certainly missed a tremendous program. We know that you will want to attend as many programs as possible in the future as our Board of Directors has strived to provide you with programs that are both interesting and varied.

At the last meeting in the month of March, the Indianapolis Radio Club welcomed the return of Mr. Robert Kryter. Mr. Kryter chose as his topic for this evening, "Challenges of the Space Age." His talk was both informative and entertaining.

The Club has had the honor of listening to this fine public speaker many times in the past; and, on each of these occasions, we have left the meeting filled with knowledge as well as laughter.

Thanks to the enthusiastic cooperation of a number of members of the Indianapolis Radio Club, all program dates up to the beginning of the "summer recess" have been filled. My thanks to all who have helped arrange for these programs, and my special thanks to Walt Smith, who filled in on short notice with a very interesting program on micro-wave communications when the program which had been scheduled became unavailable.

Now is the time to be thinking about club activities for next Fall, which will be here all too soon. All Club officers would like to hear your comments on the programs that have been arranged so far this year, and your suggestions on programs for next Fall. This is your Club, and you have the obligation to contribute ideas and energy to it. Do you have a friend or neighbor who could put on an interesting program for us? Do you yourself have some specialty you would like to share with other Club members? Or is there some subject that you would like to have the officers find a speaker to fit?

Before we all head for the lake shore, mountains or wherever for summer vacations, we have a big project to engage in -- one to which we can all contribute a lot. You've probably already guessed I'm talking about Field Day. Dick Kinnett, our new Chief Op., is to be commended for his ambitious plans for Field Day, and especially for his proposal to have a 15-meter operating position for Novices.

Field Day is the one time each year when everyone in the Club can pitch in in some way. The guy who lugs gasoline cans is just as important to the effort as the guys who do the actual on-the-air operation.

It sounds like we have an ideal location for this year, so I hope everyone will pitch in to set up, operate, and tear down when it's all over. The more help there is, the less work there will be for each individual, and the more enjoyment for all.

73, de K9KTL



Are you wondering where Fghdyr I, is going in such a hurry? We know!"

Fghdyr I, is hurrying to the planet Earth in order to be with the Indianapolis Radio Club when they tour the radio and radar installations at Weir Cook Airport on April 27th. Apparently his friend has forgotten our up and coming trip-- have you?

If so, remember every Club member is invited, even the extraterrestrial members. The date is April 27, 1963. In addition, try and attend the April 26th Club meeting because preparatory talk will be presented in order that we might better understand some of the more complex uses of radio and radar by aircraft and airports.

CLUB NOTES

The new officers of the Central Indiana Mobile Radio Club are:

- Don Litwiler W9MHP President
- Richard Owens K9OFG Vice-President
- Lynne Hull W9NPV Sec'y.-Treas.
- John Jones W9FZW Activities Mgr.

For the eighth consecutive year, the Central Indiana Mobile Radio Club has supplied communications for the Marion County Heart Association on Heart Sunday, February 24th.

Operation was on 10 meters, with a portable station set up in the Heart Association office in the English Foundation Building. The station used a Club call, W9URC.

Mobiles were dispatched from there to deliver supplies and pick up money picked up by Heart Fund volunteers.

Taking part in the annual event this year were: K9CBY, W9FZW, K9KTL, W9MHP, K9MZV, and W9NPV.

VAN SICKLE'S SPECIALS

10 Tube Hallicrafter Receiver (It Works).....	\$ 39.00
6 Meter Hallicrafter S-106.....	\$ 39.00
RME-45 (Extra Value).....	\$ 95.00
National NC-183.....	\$ 99.00
Drake Receiver.....EXTRA GOOD.....	\$159.00
Johnson Valiant Xmtr.....LIKE NEW.....	\$285.00
Johnson Viking II.....	\$139.00
Johnson Viking Adventurer.....	\$ 29.00

IRCC MEETS AT BLOOMINGTON

The Indiana Radio Club Council, composed of representatives of more than fifty Indiana radio clubs, met at Indiana University in Bloomington, Indiana on April 7th.

Representing the Indianapolis Radio Club were: Alvey Pittman, W9JJC; Al Minnick, K9SUW and Marshall Lincoln, K9KTL.

Among the items discussed and announcements made, were:

Nominations for the outstanding amateur of Indiana award must be made by May 15th. This award and the presentation of Field Day plaques to the high scoring Indiana clubs will be made at the IRCC Ham Fest at Lafayette, Indiana, on July 14th.

Activities at the IRCC Ham Fest will include a 6 meter hidden transmitter hunt, mobile contests, bingo for the ladies, movies for the children, plus the usual eyeball QSO's and prize awards. Advance registration will be \$1.50 and registration on the date of the Ham Fest will be \$1.75.

The IRCC financial balance at the October 7, 1962 meeting was \$273.60. Since then, \$22.04 has been spent on supplies and activities, leaving a balance on April 7, 1963 of \$251.56.

W9SNQ, Section Emergency Coordinator for Indiana, announced that there are 1,035 full and 386 limited members of the Amateur Radio Emergency Corps in Indiana, with 370 of them having mobile equipment. The State has 69 Emergency Coordinators in 71 counties (two of the EC's serve two counties each). He said more than half the members are Technicians. He announced intentions of resigning his post, feeling someone else could be more effective, but the Council delegates strongly urged him to reconsider.

The Council decided not to attempt to award a "Worked All Indiana Counties" certificate.

(continued on next page)

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Indianapolis Radio Club will host the next meeting of the IRCC on October 6th at Butler University. Next year's IRCC Ham Fest will be July 19, 1964 with State parks in central Indiana area being considered as possible sites.

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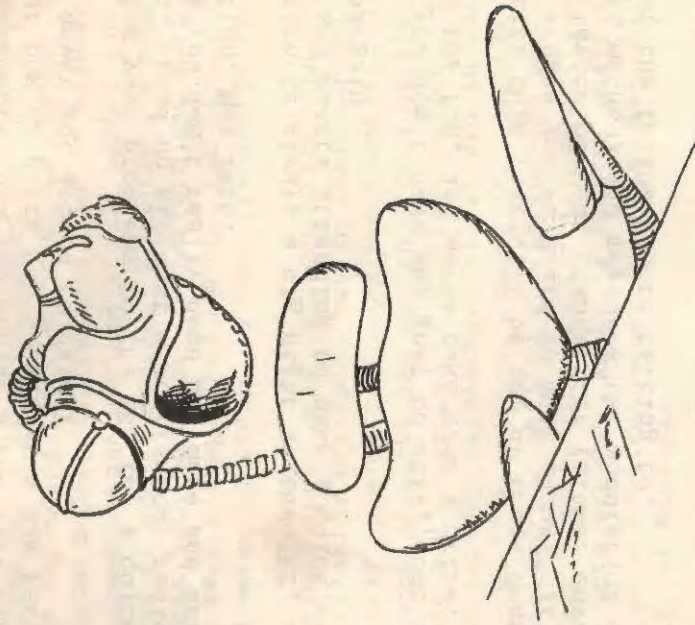
NOTICE OF RADIO OPERATOR EXAMINATIONS

FORT WAYNE, IND. Commercial examinations-May 14, 1963
9:00 A.M. - All examinations must be completed by 5:00 P.M.
Room 103 Amateur examinations - May 15, 1963
Post Office 9:00 A.M. All examinations must be completed by 2:00 P.M. Building
INDIANAPOLIS, IND. Commercial examinations - May 16, 1963
9:00 A.M. All examinations must be completed by 5:00 P.M.
Room 526 Amateur examinations-May 17, 1963
Federal 9:00 A.M. All examinations must be completed by 2:00 P.M. Building

GRAHAM'S SPECIALS

Hammarlund HQ 170-C.....	\$275.00
Hammarlund HQ 145-X.....	\$243.00
Hammarlund HX 500.....	\$539.00
Elmac AF-68 Xmtr.-PMR-8 Recvr.-M1070 Power Supply..	\$360.00
Hallicrafter SX-111.....	\$239.00
Hallicrafter SX-99.....	\$ 99.50
Hallicrafter SX-110.....	\$127.50
Hallicrafter SX-115.....	\$535.00
Collins KWM-1.....with AC Pwr. Supply.....	\$495.00
Johnson Valiant.....	\$298.00
Johnson Adventurer.....	\$ 32.50
Johnson Navigator.....	\$145.00

Who knows what will be seen at the May 10th meeting of the Indianapolis Radio Club? Maybe even one of these!!!!



It has been the custom of the Indianapolis Radio Club to devote one evening of the year to those whose interests center in the area of Home Brew, or more scientifically, Research and Development. On these evenings the pioneers of the frontier of amateur radio display and, if the audience is fortunate, demonstrate a few of the many worthwhile projects which they have so industriously built in the past year.

After careful deliberation, a panel of judges, composed of members of the Club, announces the name of the amateur who in their opinion has the best project. Then this worthy amateur is awarded a prize that is a worthwhile contribution to any ham shack. This contest is open to all amateurs in the Club. The only requirement is that you bring some kind of non-commercially manufactured gear.

There is still time to settle back in your Contour Thinking Cap and dream up an entry for this year's fabulous Home Brew Night. We'll be looking for you!

Has the XYL been "urging" you to clean some of that junk out of the basement? Did you bruise a toe last night stumbling over that box of parts you bought at a Ham Fest five summers ago and never got around to using?

Then bring your problems to the IRC for a quick, profitable solution. Load up all that miscellaneous radio gear that you feel you don't really need any more and bring it to the IRC Auction, May 24th.

The auction is always a big night at the IRC, with lots of members and guests attending to make a quick sale or pick up a fast bargain.

Even if you don't have any gear to sell, come out anyway and join the fun, and maybe take home a prize.

First prize this year will be one of those Heathkit monitor-scopes you've heard so much about. It measures the modulation of your transmitter (either envelope or tranpzoid method) and measures the modulation of the signal of the fellow you're talking to.

See any Club officer right away for tickets, or show up at the Auction with money in hand. C U May 24th!

K9RYK - Morris K. DeWitt, Jr.

A date to mark on your calendar is June 14th, which is Old Timers Night at the Indianapolis Radio Club.

The Club hasn't had an O.T. Night since 1956, when a full house showed up to swap stories about the "good old days." Old Timers from all over the State showed up that night. We hope an equally large crowd will attend this year.

Spread the word around on the air so that Ops. out of town hear about it too. See you then!!!

In a recent edition of Scientific American, there was an article by Olexa-Myron Bilaniuk reporting that a new type of counter is replacing the classic cloud chamber and many of the more modern instruments used to measure and count the fragments that excited atomic nuclei eject to rid themselves of excess energy. Recently the measurements have been both more easy to perform and more precise. All this has been accomplished through the use of that little GIZMO whose cousin is in your transistor radio.

In their physical appearance, semiconductor counters resemble scintillation crystals, but in their operation they are more closely related to ionization chambers. Charges created by incoming particles are collected by electrodes at the surge and converted to electric pulses. This type of counter is rapidly supplanting all others in the field of low-energy nuclear physics. Among its advantages are rapid response and the ability to distinguish particles close in energy levels. The counter is eminently suited for assembly into arrays. Banks of twenty counters each have already been constructed and used successfully at the University of Michigan.

The semiconductor counter has barely emerged from its infancy. Many of its potentialities remain to be explored and some remain to be thought of. Not only do units of this type aid the field for which they were designed, but they furnish valuable information about semiconductors at the same time.

LICENSE RENEWAL

Have you checked your license expiration date recently? A look at the new Marion County Directory tells us that the expiration date for many hams in the area is drawing near. Why not take a quick look?

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